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APPLICATION NO.	FILING DA	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/803,554	03/18/200	Toyotaka Sonoda	OCA-185-A	5658
21828	7590 09	2005	EXAMINER	
CARRIER I	BLACKMAN A	WHITE, DWAYNE J		
24101 NOVI SUITE 100	ROAD		ART UNIT	PAPER NUMBER
NOVI, MI	48375		3745	

DATE MAILED: 09/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		$\mathcal{M}$					
	Application No.	Applicant(s)					
	10/803,554	SONODA ET AL.					
Office Action Summary	Examiner	Art Unit					
	Dwayne J. White	3745					
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the	correspondence address -					
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reg. If NO period for reply is specified above, the maximum statutory period.  - Failure to reply within the set or extended period for reply will, by statur Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no event, however, may a reply be to ply within the statutory minimum of thirty (30) do d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDON	imely filed  ays will be considered timely.  In the mailing date of this communication.  ED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 18 I	March 2004.						
2a) This action is <b>FINAL</b> . 2b) ☐ Thi							
3) Since this application is in condition for allowa	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	153 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-13 is/are pending in the application	n.						
4a) Of the above claim(s) is/are withdra	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-3 and 7-13</u> is/are rejected.	Claim(s) <u>1-3 and 7-13</u> is/are rejected.						
7)⊠ Claim(s) <u>4-6</u> is/are objected to.							
8) Claim(s) are subject to restriction and/	or election requirement.	•					
Application Papers							
9)☐ The specification is objected to by the Examin	er.						
10)⊠ The drawing(s) filed on 18 March 2004 is/are:	a)⊠ accepted or b)  objected	to by the Examiner.					
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. So	ee 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct	,						
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Offic	e Action or form PTO-152.					
Priority under 35 U.S.C. § 119		•					
12)⊠ Acknowledgment is made of a claim for foreigna)⊠ All b)□ Some * c)□ None of:		a)-(d) or (f).					
1. Certified copies of the priority documen							
2. Certified copies of the priority documen							
3. Copies of the certified copies of the price	<u>•</u>	ed in this National Stage					
application from the International Burea  * See the attached detailed Office action for a lis		red.					
See the attached detailed Office action for a lis	t of the certified copies not receiv	eu.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summar						
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08</li> </ul>	Paper No(s)/Mail [ 5) Notice of Informal	Patent Application (PTO-152)					
Paper No(s)/Mail Date <u>3/18/04</u> .	6) Other:						

#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 and 7-13 are rejected under 35 U.S.C. 102(b) as being anticipated by Katoh et al. (5,554,000). Katoh et al. discloses a transonic blade for use in a blade cascade of an axialflow compressor including a large number of blades 4, each having an intrados and an extrados disposed in an annular fluid passage. Katoh et al. further disclose the Mach number of the blade cascade being between .8 and 1.1. The language used in the wherein statements of claims 1-3 and 10-13 is functional language. There appears to be no structural difference between the airfoil of Applicant, as claimed, and Katoh et al., the airfoil of Katoh et al. would inherently be capable of performing the claimed function and at a turning angle as claimed.

#### CONCLUSION

### Allowable Subject Matter

Claims 4-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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# **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dwayne J. White whose telephone number is (571) 272-4825. The examiner can normally be reached on 7:00 am to 4 pm T-F and alternate Mondays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look can be reached on (571) 272-4820. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dwayne J. White Dwayne J White Patent Examiner

Art Unit 3745

DJW

EDWARD K. LOOK
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3700

9/1/05